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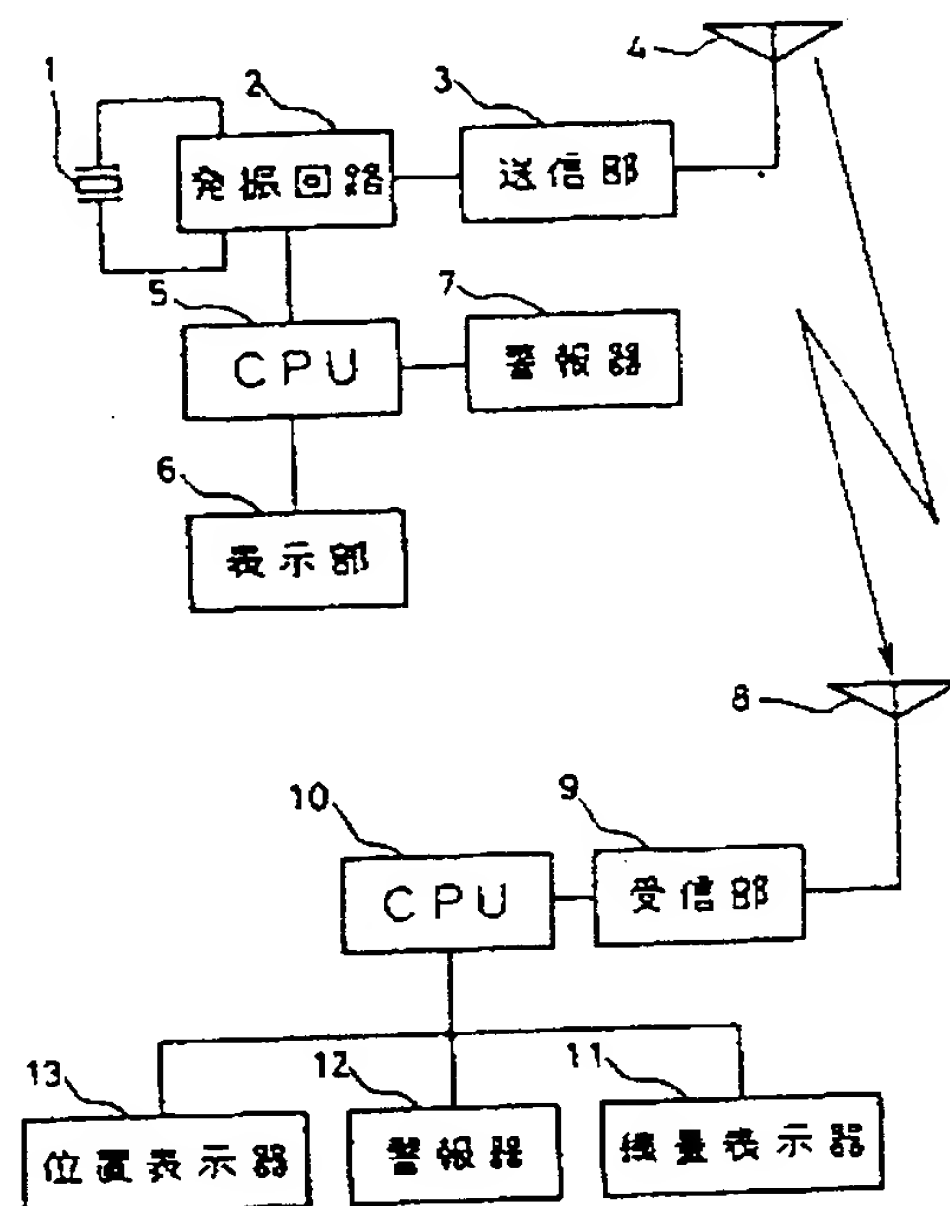
APPLICATION DATE : 29-11-88
APPLICATION NUMBER : 63301364

APPLICANT : NIPPON DEMPA KOGYO CO LTD;

INVENTOR : OBARA SHIGERU;

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TITLE : RADIATION DETECTING DEVICE



ABSTRACT : PURPOSE: To enable low-cost radiation detection with simple structure by utilizing variation in the frequency of the oscillation output of a crystal transmitting circuit which oscillates by a crystal vibrator.

CONSTITUTION: The crystal vibrator 1 is manufactured by using crystal with a small Q value so that the resonance frequency varies greatly by radiation irradiation. The vibrator 1 is connected and the oscillation output of the transmitting circuit 2 which oscillates at its resonance frequency is amplified by a transmission part 3 and then radiated as a radio wave by a transmitting antenna 4. The oscillation frequency of the circuit 2 is supplied to a measurement part 5, e.g. a CPU to detect variation in the frequency and exposure dosage is calculated from the changed and integrated values and displayed on a display part 6; when the value exceeds a specific set value, an alarm 7 is driven to generate an alarm.

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